ELECTRICAL WEST
Industry News Letter

Midmonth Report to the Western Electrical Industry

October 15, 1959
Vol. 123, No. 4A

Business is good but the steel strike threatens to put the brakes on economic expansion for the latter part of the year and may well be a drag on full-scale production into early 1960. Most major appliance manufacturers and other fabricators probably will be closed down by the end of this month even if the Taft-Hartley injunction puts steel mills back into production.

Interconnect systems

Arizona Public Service and Utah Power & Light companies have embarked on a 300-mile, 230-kv transmission line that will interconnect the two systems and run across the doorstep of the Glen Canyon Dam now being constructed on the boundary between the two states. Complete details will be included in the regular November issue of Electrical West.

Meanwhile, four states in the upper Colorado River basin have united in demanding a federal Bureau of Reclamation deal with them in allocating power from Glen Canyon Dam. This action was taken when it was learned that the USBR planned to build a transmission line from Flaming Gorge to Glen Canyon and comes at a time when the government agency is studying possible locations for government-owned transmission circuits to distribute power from the two projects.

The USBR has called for bids on eight hydraulic turbines for the Glen Canyon project. Units will be rated at 155,500 hp, 150 rpm and bids are to be opened Nov. 10 at 2 p.m. in the Denver Federal Center. The desired shipping schedule calls for the draft tube liner on the first turbine within 900 days and parts for the eighth turbine to be on the site in 1,830 days.

STEVENS RICE
UNIV MICROFILMS INC
313 N FIRST ST
ANN ARBOR MICH

Power men visit U. S.

Twelve Russian power specialists are beginning a month-long visit to electric power facilities in the U. S. which will take them to Denver and Los Angeles. The visitors are guests of the Edison Electric Institute and the Association of Edison Illuminating Companies and will be given a view of nuclear projects as well as conventional steam and hydroelectric facilities across the nation.

Congress has approved funds to investigate the construction of a 5,000,000-kw hydroelectric project on the Rampart Canyon site of the Yukon River in Alaska. Nearest load centers are Fairbanks and Anchorage whose present load requirements are but a tiny fraction of the potential envisaged at the new site.

The Dalles power house on the Columbia River was officially dedicated Saturday, Oct. 10, when Vice President Richard M. Nixon pressed a button that set in motion the

hep hep hep

There's a real "hep" bunch in PCEA. Ideas form and march for the electrical industry when committees strike up the band.

And in the annual parade of accomplishments every segment of our growing electric industry benefits.

Why be a spectator when it is so much more interesting *(and profitable)* to be a forward marcher in the parade?

Join up with PCEA and keep in step with its many progressive marches. Ask a member you know to present your name for membership or contact one of our offices for full information.

PACIFIC COAST ELECTRICAL ASSOCIATION

530 W. Sixth Street
Los Angeles 14, Calif.

681 Market Street
San Francisco 5, Calif.

tenth generating unit. Present capacity is 807,000 kw. with four more units to be installed and in operation by November 1960. Cost of the completed project: $250 million.

A group of Hawaiian businessmen, including Ralph Johnson, president of Hawaiian Electric Co., will visit six Western cities during October to tell mainlanders of the business opportunities that lie ahead in the 50th state. Included in the tour are visits to Los Angeles, Portland, Seattle and San Francisco.

Rate increase asked

Public Service Co. of Colorado has filed application for a rate increase in its electric and natural gas services. The company did not ask for a specific increase but requested the commission to conduct a hearing "to determine for rate-making purposes the reasonable value of the applicant's electric and gas properties presently devoted to public uses and the fair rate of return thereon and the gross revenues to which applicant may be entitled." The company's president, R. T. Person, commented that rapid growth of the service area will require capital expenditures of approximately $35 million per year for the next five years, of which $20 million per year would have to come from outside sources. To accomplish this, he said, "Our earnings must be adequate to insure the general financial integrity of the company."

Secret ballot election

A sidelight on labor relations problems was contained in news that the NLRB had conducted a secret ballot election at the Arizona Public Service Co. Laborers Local 383 (AFL-CIO) had petitioned the board for an election among two janitors of the company. After lengthy and bureaucratic proceedings, a hearing was held and the pronouncement came down from Washington that such election was authorized. Although both janitors were entitled to vote, only one showed up. The not-so-secret result: No, no union.

Bonneville Power Administration's annual report for fiscal 1959 revealed that the agency had sold a record-breaking 28.6 billion kwh for an average price of 2.33 mills. Energy generated on the BPA system totaled 30.2 billion kwh with a maximum demand of 4,737,000 kw (5.7% lower than 1958). The load factor was 72.9. Nineteen Northwest industries got the lion's share of over 10 billion kwh, 75 public power agencies received 9.3 billion kwh and nine privately owned utilities in the area received 6.5 billion kwh. The balance was sold to other federal agencies.

Electrical West (with which is consolidated The Journal of Electricity). October 1959, Vol. 123, No. 4A. Published semimonthly except November when published trimonthly by McGraw-Hill Company of California, James H. McGraw (1860-1948) Founder. Office of publication, 235 N. W. Park Ave., Portland 9, Ore. See panel below for directions regarding subscriptions or change of address.

Executive, editorial circulation and advertising offices: 68 Post St., San Francisco 4, Calif. Donald C. McGraw, chairman of the board; George C. Tenney, president; John W. Otterson, vice-president; B. M. Boccoli, secretary and treasurer.

Position and company connection must be indicated on subscription orders. Send to address shown in panel below. Subscription price includes the regular monthly issue, the news letter issue and the November directory issue. United States subscription rate $3 a year, single copies 50c (November directory issue $1.) Latin American Republics and Philippine Islands $4 a year; Canada $3.50 a year; all other countries $4 a year. Entered as second class matter, Dec. 17, 1956, at the post office at Portland, Ore., under the act of March 3, 1879. Printed in U. S. A. Title registered in U. S. Patent Office.
© Copyright 1959, McGraw-Hill Company of California. All rights reserved.

SUBSCRIPTIONS: Send subscription correspondence and change of address to Subscription Manager, Electrical West, 68 Post St., San Francisco 4, Calif. Allow 30 days for change of address.

Postmaster: please send notice 3579 to Electrical West, 68 Post St., San Francisco 4, Calif.

New group

Something new has been added. The Association of Power Biologists was formed when fishery biologists representing electric utilities from six states met at Portland General Electric Co.'s Timothy Lake and banded together to "promote a better understanding between hydroelectric power producers and state, federal and civilian wildlife protection groups." Portland General Electric's George Eicher was named first president of the group.

On Nov. 1 the newly incorporated city of Richland, Wash., will take over the operation of the community electrical utility system, formerly operated by the General Electric Co. Murrey Fuller, city manager, says the system will be the third largest municipally operated utility in the State of Washington.

REA has approved a $1,225,000 loan to the Big Bend Electric Cooperative of Ritzville, Wash., to provide for construction of 150 miles of distribution line that will serve 460 new customers. . . Marshall M. "Tweedy" Kost, executive vice-president and director of the Public Service Co. of Colorado, retired Oct. 1. Succeeding this well-known industry leader on the board is equally well-known LeRoy R. Patterson, vice-president . . . Sacramento Municipal Utility District has placed its line crews on an emergency overtime work schedule to meet a record demand for electric service. The crews will work 9 hours a day, six days a week, instead of the five-day, eight-hour schedule. . . San Diego Gas & Electric Co. plans to sell 500,000 shares of its authorized but unissued stock to shareholders of record of Nov. 4 on a subscription basis—one share for each eight held. Proceeds will be used to repay part of an outstanding short-term loan.

Would acquire system

Despite a number of protests at a public hearing Oct. 7, the Thurston County PUD reaffirmed its plans to acquire facilities of the Puget Sound Power & Light Co. within the county.

Opponents of the acquisition held that the public was not given proper notice of a meeting Oct. 5, when the PUD commissioners approved a two-mill tax to raise $100,000 for preliminary engineering and legal costs. The press had received no notice of the meeting, they pointed out, and previous minutes gave no indication of the session.

Frank Meyer, commission chairman, said the decision to proceed with the acquisition was made too late to give earlier notice. If the action had not been taken Oct. 5, a year's delay would have been necessary, he said.

It was argued that taxpayers of the county should have an opportunity to vote on the proposed acquisition and that removal of Puget Power properties from the tax rolls would cost the county at least $62,000 annually.

Blast rocks steam plant

One of the two units at the $65 million Scattergood steam plant operated by the Los Angeles Department of Water & Power was temporarily put out of action Oct. 7 when it was rocked by an explosion. The blast occurred outside the building in a metal duct that carries flue gases from the unit's boiler to its stack. Extent of the damage could not immediately be estimated. The unit was shut down for repairs, William S. Peterson, the department's general manager and chief engineer, stated. There were no injuries and service to the area served by the plant, including International Airport, was not inter-

rupted. The boiler unit that blew up was still being tested. Engineers said fires in the boiler were being extinguished to take it out of service when the accident occurred.

* * * * *

Growth

First of 10 generating units at Priest Rapids is being tested. The project is 85% complete and 16 months ahead of schedule. Meyer, Chapman & Scott is the contractor.

A $15 million steel mill will be built at Clarkdale, Ariz., for Webb & Knapp Inc. The new mill will be the state's largest user of gas and electricity, requiring 1,700,000 kwh per day and 28½ million cu ft of gas. The plant will convert copper slag into industrial steel.

Added costs for dam

Ice House Dam, on SMUD's Upper American River hydroelectric project, will cost $1,625,000 more than the low bid of $2,176,000. SMUD directors authorized the increase to contractor Gibbons & Reed.

Added costs for the 150-ft-high earthfill structure resulted from unforeseen rock decomposition in the foundation and the necessity for providing a stronger concrete spillway.

Ice House Dam is scheduled for completion in January. It will supply water for Jaybird power house, which will go into operation next fall.

New attack on Cowlitz

More trouble for Cowlitz Dams. Tacoma City Light's Cowlitz River hydroelectric development is facing a new attack.

The new operation, of undetermined strength, comes from within the city, thus contrasts with most of the earlier opposition, largely from commercial and sports fishermen throughout the state. H. P. McLaughlin, a newsprint mill employee, and Henry Carlbom, sheet metal worker, are co-chairmen of a committee planning to circulate petitions calling for a vote on a proposed city charter amendment prohibiting construction of the Cowlitz project until at least 1967.

To get the proposed amendment on next March's city election ballot, the committee must obtain 5,800 valid signatures and file them with the city clerk 90 days prior to the election.

The committee objects to the Cowlitz project on economic grounds, contending that rate increases will be necessary to pay for the work and that cheaper power can be obtained from the Bonneville Power Administration for at least the next five years. Observers feel the committee may be obtaining support from Tacoma City Light's largest industrial customers, interested in maintaining their present low rates.

The city of Tacoma is preparing to call bids for the general contract to complete Mayfield Dam, first of two dams proposed for the Cowlitz. Under terms of its FPC license, it is obliged to bring the project to completion in 1965.

Stauffer Chemical Co. proposes an eventual 70,000-kw plant 15 miles north of Vernal, Utah, for the production of elemental phosphorus.

The firm will bid for a block of power from Flaming Gorge Dam. Power bid date is imminent, but not set. Originally, Stauffer announced its planned construction of an initial 20,000-kw plant that would fit into the low point average delivery of energy from Flaming Gorge, which will fluctuate between 20,000 and 100,000 kw, depending on stream conditions.

Also apparent probable bidders on power at the U. S. Reclamation Service project are Utah Power & Light Co. and area REAs.

Morrison-Knudsen Co. has submitted a low bid of $1,700,000 for construction of the Blue Lake hydroelectric project for the city of Sitka, Alaska. The dam will have two 3,750-kva hydraulic turbine generators.

Oct. 2 saw the commissioning of the world's largest gas turbine generating facility at Port Mann on the B. C. Electric system. The 100,500-kw plant will be controlled automatically by microwave from the load dispatch office in B. C. Electric's headquarters building in Vancouver. The plant which will be used for peaking can be brought on the line in 20 minutes from a cold start. Design and construction was supervised by B. C. Engineering Co.

* * * * *

Manufacturers—Distributors

Westinghouse has set up a new product distribution center in Seattle, at 1051 First Ave., S. One of a series being established nationally to give faster service, the center will serve as district headquarters and warehouse for both appliance sales and the company's Lamp Division, Walter J. Maytham, Pacific Coast vice-president, said. It also will have warehouse space for electrical apparatus.

The First Avenue facilities had been shared by Westinghouse Appliance Sales and WESCO, which has moved into a new building at 2233 Sixth Ave., S. The Lamp Division has been moved to the new center from 1200 Westlake Ave.

Harry R. Beyers, former Seattle lamp supervisor for the company, has been appointed distribution services manager. Jack F. Hangauer is district appliance manager; Frank Anderson, Lamp Division district manager; A. L. Wiegenstein, North Pacific district manager for WESCO.

A new manufacturing facility is being built for De Lights Inc. in South El Monte, Calif. The new building will include an 18,000-sq-ft first floor level and a 7,000-sq-ft mezzanine. Estimated capital investment for the new structure, which will be devoted to the manufacture of residential and commercial fixtures and lamps, is $120,000. Target date for completion is Oct. 15.

Harold Taylor, long in charge of buying activities for Chown Electric Supply Co., Portland, has incorporated his own electrical supply firm to be known as the Taylor Electric Supply Co. The firm opened for business early in October in a 20,000-sq-ft office and warehouse building at S. E. Second Ave. and Madison St., Portland.

A 1,200-ft addition to its Burbank plant has been completed by Shalda Mfg. Co. The firm specializes in outdoor lighting equipment.

Merger

Two of the Coast's producers of pressure-treated forest products have joined forces. J. H. Baxter & Co. of San Francisco has acquired part ownership in the West Coast Wood Preserving Co. of Seattle. Walter L. Wyckoff, the other owner, will continue to head the Seattle company, which will go under the name of Baxter-Wyckoff. Offices will remain at 411 Seneca Bldg. in Seattle.

Appleton Electric Co. has a new Western regional sales manager with headquarters in San Francisco. He is H. A. Buegel who has been executive field engineer from the Detroit office.

New officers

Incandescent Supply Co. of California, the management company for Incandescent-Phillips & Edwards group, announces that as of Oct. 1 Marvin H. Jankelson assumes the responsibilities as chairman of the board and E. A. Phillips that of president of the company. . . In Los Angeles Dr. E. M. Gherman was announced as president of Incandescent Supply Co. of Los Angeles.

Distributor mergers announced recently--Home Electric Co. of Tacoma, James W. Woods, manager, announced it has recently purchased Globe Electric Co. of Seattle, one of the oldest distributing firms in the Northwest. Woods said that for the time being at least both houses would continue to operate. . . Columbia Electric of Spokane, according to Maage LaCounte, has recently acquired business and inventory of Carr Sales Co. in Clarkston, Wash. It will be operated as Columbia Electric with R. F. Gustafson as branch manager, Jack Lande, territory sales representative and Neil McCracken, shipping and receiving. . . Incandescent Supply Co. of Los Angeles has acquired Cook-Nichols Co. of Pasadena.

* * * * *

Market Development

Retiring--A dinner assuming the proportions of a mass industry meeting was given to D. J. McGonigle, general sales manager, Montana Power Co., Sept. 29 in Butte to honor him upon his retirement Oct. 1. . . Another prominent electrical industry man retiring Nov. 1 will be Arthur Dahl, long-time manager of the Supplies Department of General Electric Supply, San Francisco.

Snake River Valley Electrical Assn., with headquarters in Boise, has a new manager. Elmer F. Ross assumed his new duties Sept. 21, according to J. I. Wright, Afton-Lemp Co., president of the association. Ross was district manager for Idaho Power Co. at Homedale, Idaho, and has approximately 20 years' background in the industry.

A bright future for the appliance business is foreseen by Herman F. Lehman, Frigidaire general manager, if both manufacturers and sales people understand the changing American woman and the more demanding, more complex life she must lead today. Speaking on the human centered

approach to sales before the San Diego Bureau of Home Appliances, he said that it behooves the salesman to stress simplicity, reliability and availability of quick service. He spoke out against the 90-day warranty for home appliances as "pushing off on the user a responsibility which rightfully belongs to the manufacturer and retailer."

* * * * *

With the Contractors

San Diego Chapter, National Electrical Contractors Assn., announces a new manager, K. Sturges Sturges. He succeeds E. Sago who recently resigned. . . Santa Clara-San Benito Chapter selected Neal Mangin, formerly of PG and E, as assistant manager for the south coast area.

A new manager of purchases has been appointed at Southern California Edison Co., succeeding the late C. P. Altland, who died Aug. 15. Ray M. Taylor was announced by Harold Quinton, chairman of the board, as the new manager. He has been associated with the company for 37 years in the commercial and sales departments and entered the purchasing department in 1942 and has been assistant manager since 1949.

Carry the Medal

Contractors and unions are the ones who are advertising Gold Medallion Homes in the San Francisco Bay area. The joint industry funds of several Bay Area chapters of NECA and IBEW locals have joined together on a unified campaign carrying magazine and newspaper advertising. The Contra Costa group previously issued a little newspaper called Electrical Industry News which it sent to householders and business firms throughout Contra Costa County.

Contractors Division of the Bureau of Home Appliances of San Diego begins its ninth commercial-industrial lighting school for contractors, lighting fixture manufacturers, architects and all others Oct. 21 in the Electric Building. It is a seven-session course, to be conducted by Bob Huff of San Diego Gas & Electric Co.

In it together

Contractor and union marketing opportunities and responsibilities were explored in a unique joint meeting of the Fresno Chapter, NECA, with members of the local union. Employers invited their own employees to dinner where they heard talks by Charles Scholibo, NECA Western regional field director, and Virgil R. Johnson, IBEW District 9 representative. Jack Quinley, NECA manager, and George Appling, governor of the chapter, arranged the meeting. There were 140 in attendance for the Sept. 17 affair.

A new address and larger quarters are reported by the Intermountain Chapter, NECA, in Salt Lake City. The move was made last month to 458 S. Third East, two blocks east of the City & County Building. More convenient parking and larger quarters are reported by Ad Woolley, mana-

ger. . . Woolley also reports that Idaho Falls and Pocatello have started to hold joint meetings for one dinner each month. The last was held in Blackfoot Sept. 8.

Council on Industrial Relations granted a 15¢ an hour increase Dec. 1, the anniversary date of the contract, and another 7¢ on June 1, 1960, for a one-year contract in the case brought to it by the Salt Lake City IBEW.

Estimating dates

A series of NECA workshops on "Summarizing an Estimate" is scheduled in the next few months. Beginning at Denver Oct. 23-24, meetings will be held at Colorado Springs Oct. 27-28, Fresno Nov. 19-20. Los Angeles will have two in December: San Jose will have one in January as will Stockton. Likewise, being scheduled for next year is a series of accounting, job management and sales engineering classes. Matt Sherwood has been assigned to collect labor units in the region for the improvement of the association's labor manual.

Rene Marxheimer, formerly at University of California, Berkeley, and later with Globe Illumination Co., Los Angeles, has been appointed professor of electrical engineering at San Francisco State College. Marxheimer was active in the design of the lighting for the San Rafael-Richmond Bridge.

Top Medallions

Largest single Medallion Home contract is said to be one just signed between Southern California Edison Co. and Conejo Valley Development Co. for construction of 1,350 homes in the $15,000 class near Thousand Oaks.

An electric heat forum, successfully carried on at Gonzaga University two years ago, is being repeated at the Washington Water Power Co. auditorium, Spokane, beginning Sept. 15. Subjects include apartment house, motel, store, office and school heating of all types. Many contractors are taking the course.

Turns on the heat

A distributor is taking the initiative for starting an electric heat course in the Orange County area. Arthur L. Payne, manager, Electrical Supplies Distributing Co., Santa Ana, has organized a series of meetings with contractors and estimators. A total of 95 turned out for the kick-off breakfast. Pooling information are Gene Scarborough and Vince Robertson of Southern California Edison; Dick Page, Thermador; V. Labarthe, Westinghouse; Martin Cove, Chromalox; C. E. Parks, Ilg Ventilating; and Harold Meyers, Hunter-Tradewind.

Denver's General Hospital electrical system is to be studied with a view to modernizing it. Arrowhead Engineers Inc. of Denver were given a fee of $5,500 to make a professional survey for the hospital administration.

Contract clarifier

"Suggested Guide and Check List for Subcontracts" is being circulated by the National Electrical Contractors Assn. and by its members to architects and engineers as well as general contractors in an effort to gain more uniformity as well as greater justice in contracts. It was prepared by the National Joint Cooperative Committee of the AGC and the Council of Mechanical Specialty Contracting Industries.

Association Affairs

Stanley Johns has been appointed the new president of Los Angeles Electric Club by the executive committee to fill the vacancy made by the death of George Hawley. Johns is an executive with the Electric Corp. of Los Angeles, distributor, and at one time served as first vice-president and program chairman of the club. Transfer east prevented his ascendance to the presidency at that time.

Butte Subsection, AIEE, has elected Robert J. Labrie, Montana Power Co., as president for the coming year, with J. M. McCarvel, Westinghouse, secretary-treasurer. Labrie announced appointments of O. P. Rice, Montana Power, program; R. H. Comport, G-E, membership; Walter Duffy, Anaconda Co., technical; Roger Hofacker, Montana Power, youth guidance committee. . . C. R. Beltman, Billings, Montana chairman of AIEE, announced the appointments of R. C. Nealey, Allis-Chalmers Co., to state executive committee; G. H. Clapp, Westinghouse, chairman of membership gifts; Comport of the state membership committee; Hofacker of the state engineering guidance committee; and McCarvel as state publicity chairman.

PCEA Panorama

From the Desk of Charles A. Wikle, President, Pacific Coast Electrical Assn.

One of my most gratifying, rewarding experiences as president of PCEA has been the opportunity to meet with the guidance committees of the sections and to observe their earnestness of purpose. For the first time, I realize fully the tremendous amount of careful planning that goes into the conference and committee activities. I could not commend too highly the fine work that these fellows are doing; and I understand, now, the verity of the statement "Associations do those things which most people think just happen."

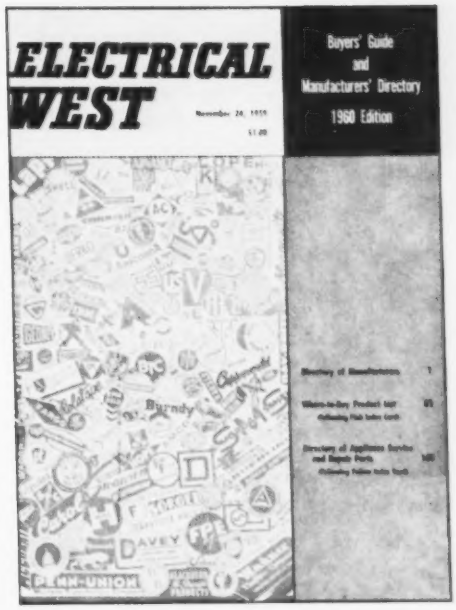
The program for the Nov. 16-17 conference of the Administrative Services Section is on the press and will be mailed to all members about Oct. 14. The meeting will be at Hickey's Studio Inn, Palo Alto, and a hotel reservation form will be mailed with the program.

Ralph Johnson, our Hawaii vice-president, says that more than 60 people, from all parts of the mainland, have indicated their intention to attend the conference in Honolulu on Nov. 5 and 6. He anticipates a total attendance of 450 to 500.

Recently I was instructed by the Board of Directors to request all members to keep Hospitality Rooms closed until the conclusion of each day's business sessions, including lunchtime. This applies to all PCEA conferences and conventions, and will aid greatly in keeping the meetings on schedule. A letter to this effect will soon go forward to each of our member companies, and their full cooperation will be appreciated.

The sudden and untimely death of George N. Hawley, who was recently president of PCEA, brought sorrow to all who knew him. He gave unstintingly and unselfishly of his time and his energies toward the advancement of his industry. He will be greatly missed.

Coming in November



The 1960 Edition of *ELECTRICAL WEST'S* annual

BUYER'S GUIDE and DIRECTORY

Used the year round by electrical buyers in the Western States.

The Buyers' Guide and Manufacturers' Directory lists manufacturers of electrical equipment, apparatus and supplies, their Western offices and their Western representatives. It also includes a directory of Manufacturers' Representatives handling electrical lines. An ELECTRICAL WEST service for 26 years.

MANUFACTURERS and REPRESENTATIVES:

Your advertising in the BG & D will-

1. **REACH** more than 13,000 subscribers who include the important buyers of electrical apparatus, wiring devices, supplies, lighting and supplies in the 13 Western States.
2. **BE USED** many times during 1960. Usage of this Directory is thoroughly established — it's the only quick and convenient guide published exclusively for the West's great electrical market.
3. **EMPHASIZE** your products, and your Western facilities. It will make your sales efforts more efficient, more profitable.

Look it up First . . . . . .

in the West's only Buyers' Guide for Electrical Equipment

Includes

Directory of Manufacturers

Directory of Representatives

Where-to-Buy Product List

Reserve space now for Buyers' Guide & Directory advertising. First forms close October 2. Early reservations assure position near your Directory listing. For rates and mechanical specifications contact any one of our District Offices below:

NEW YORK 36: **Dick Thompson, 500 Fifth Ave. - - OXford 5-5959**

PITTSBURGH 22: **Frank Roberts, 1111 Oliver Bldg. - ATlantic 1-4707**

CHICAGO 11: **Bill McMurray, 520 N. Michigan Ave. - MOhawk 4-5800**

ATLANTA 3: **Bob Powell, 1301 Rhodes-Haverty Bldg. - JAckson 3-6951**

DALLAS 1: **Gene Holland, 1712 Commerce St. - - RIverside 7-5117**

DENVER 2: **John Patten, 1740 Broadway - - - - ALpine 5-2981**

LOS ANGELES 17: **Russ Antles, 1125 W. Sixth St. - HUntley 2-5450**

SAN FRANCISCO 4: **T. H. Carmody, Don Farris, 68 Post St. - - - DOuglas 2-4600**

OFFICES: BOSTON, CLEVELAND, DETROIT, PHILADELPHIA, ST. LOUIS AND TULSA

ELECTRICAL WEST

A McGraw-Hill Publication

PUBLIC SERVICE COMPANY OF COLORADO MEETS POPULATION BOOM! To serve an area growing almost twice as fast as the national average, Public Service Company of Colorado has begun an unprecedented expansion program in all phases of its operation: power generating, transmission, distribution. Capacity has now hit 836,000 kilowatts—a surge of power turning this "mile-high" service territory into one of the best electrified in the country.

Included in the equipment being installed in this expanding system are Anderson's type ADE Aluminum Straight Dead End Clamps (shown above). Clamps feature Anderson's patented, "snub seat" for higher holding power; one piece keeper with lifting eye; sagging eye; and other special features to facilitate hot line work. For details on this or any Anderson connector see your nearest Anderson representative.

WESTERN SALES MGR.

Hubert James, Jr.
519 California St., San Francisco, Calif.

WESTERN REPRESENTATIVES

Hamilton Associates
1236 Elati St., Denver 4, Colo.

Industrial Engin. & Equip. Corp.
2975 Wilshire Blvd., Los Angeles 5, Calif.

Muth-Richards Co.
1804 Bush Pl., Seattle 44, Wash.

Andrew L. Polich, Inc.
734 N. W. Glisan St., Portland 9, Ore.

Clarence W. Silver Co.
550 West Seventh South St., Salt Lake City 1, Utah

Wrathall & Krusi
1044 Monadnock Bldg., San Francisco 5, Calif.

ANDERSON ELECTRIC CORP. • Birmingham 1, Alabama

ANDERSON ELECTRIC

Research / Quality / Performance / in Aluminum and Bronze Products

Aluminum and Bronze Power Connectors • Clamps • Fittings • Accessories for Substation • Transmission • Distribution • Underground